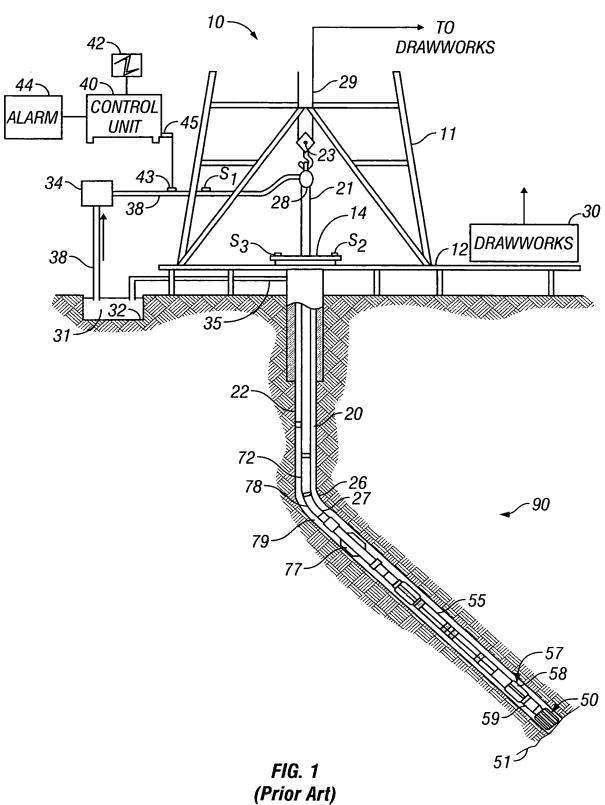


Title: "Downhole High Resolution NMR Spectroscopy with Polarization Serial No.: 10/696,995; Filed: October 30, 2003; Confirmation No.: 7879

Docket No.: 414-35879-USCP



Inventor: Martin Blanz et al.
Title: "Downhole High Resolution NMR Spectroscopy with Polarization
Serial No.: 10/696,995; Filed: October 30, 2003; Confirmation No.: 7879
Docket No.: 414-35879-USCP

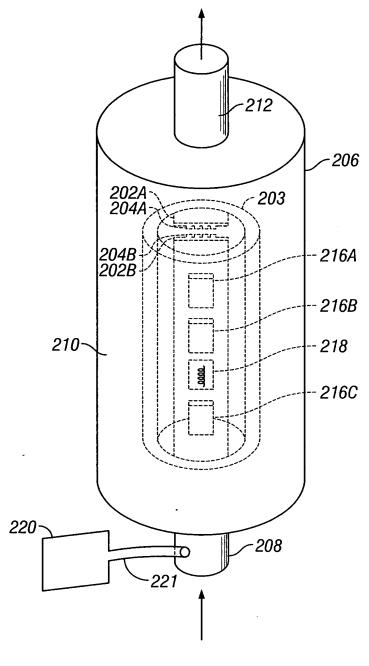
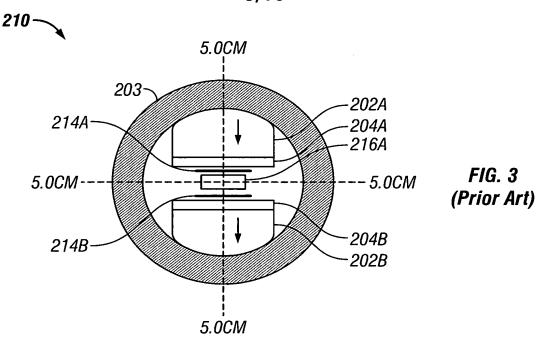


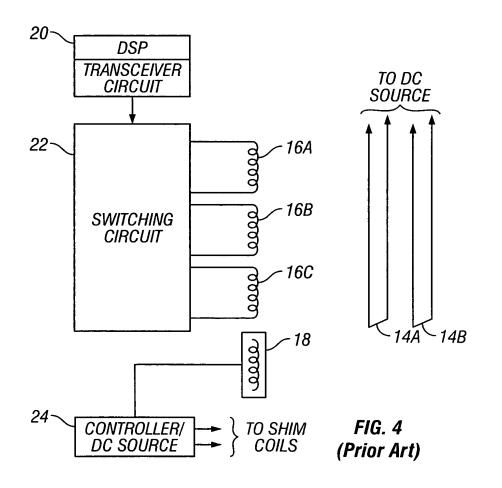
FIG. 2

Title: "Downhole High Resolution NMR Spectroscopy with Polarization Serial No.: 10/696,995; Filed: October 30, 2003; Confirmation No.: 7879

Docket No.: 414-35879-USCP







Title: "Downhole High Resolution NMR Spectroscopy with Polarization Serial No.: 10/696,995; Filed: October 30, 2003; Confirmation No.: 7879

Docket No.: 414-35879-USCP

$$\uparrow \frac{50\%}{} \qquad \uparrow \frac{50\% + c - \delta^{1}H}{}$$

$$\downarrow \frac{50\%}{} \qquad \downarrow \frac{50\% - c - \delta^{1}H}{}$$
ELECTRONS e^{-} HYDROGEN ^{1}H

FORCED EQUILIBRIUM

FIG. 5

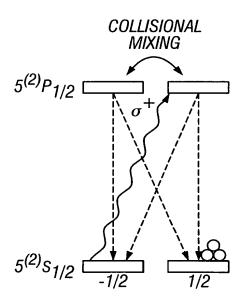


FIG. 6A

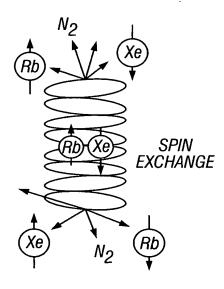


FIG. 6B

Inventor: Martin Blanz et al.
Title: "Downhole High Resolution NMR Spectroscopy with Polarization
Serial No.: 10/696,995; Filed: October 30, 2003; Confirmation No.: 7879
Docket No.: 414-35879-USCP

5/10

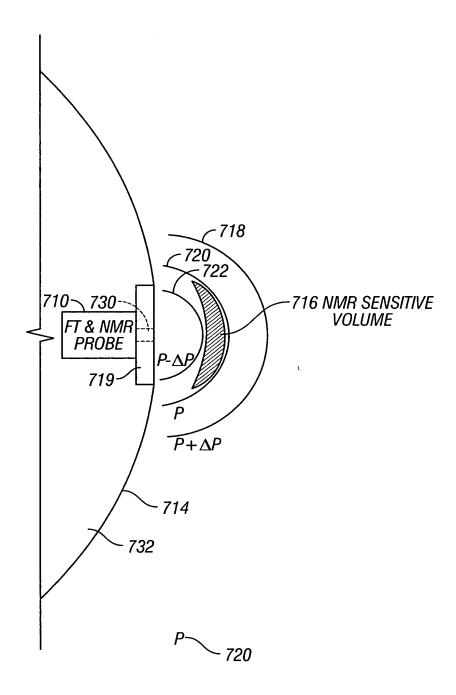
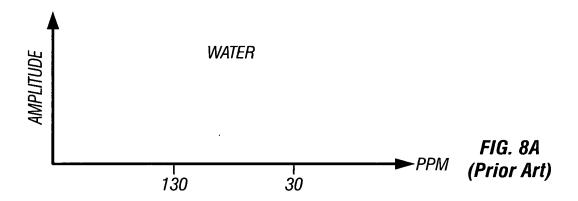


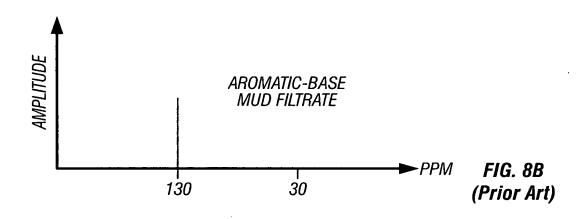
FIG. 7 (Prior Art)

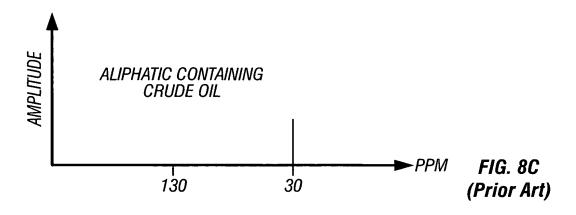
Title: "Downhole High Resolution NMR Spectroscopy with Polarization Serial No.: 10/696,995; Filed: October 30, 2003; Confirmation No.: 7879

Docket No.: 414-35879-USCP

6/10





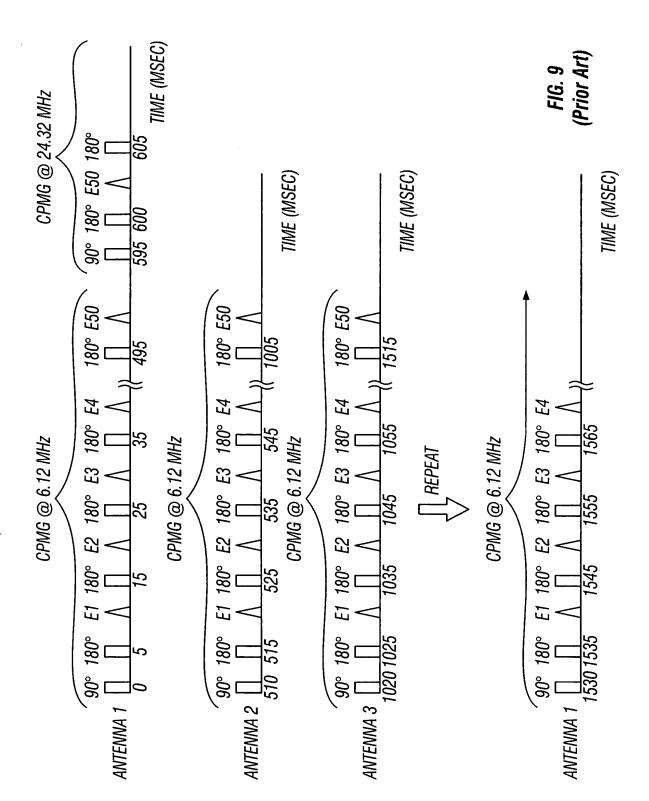


Title: "Downhole High Resolution NMR Spectroscopy with Polarization

Serial No.: 10/696,995; Filed: October 30, 2003; Confirmation No.: 7879

Docket No.: 414-35879-USCP

7/10



Title: "Downhole High Resolution NMR Spectroscopy with Polarization Serial No.: 10/696,995; Filed: October 30, 2003; Confirmation No.: 7879

Docket No.: 414-35879-USCP

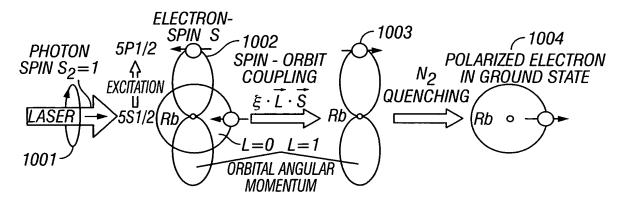
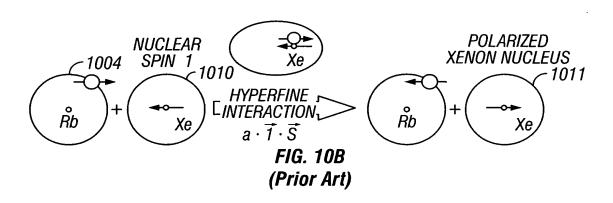
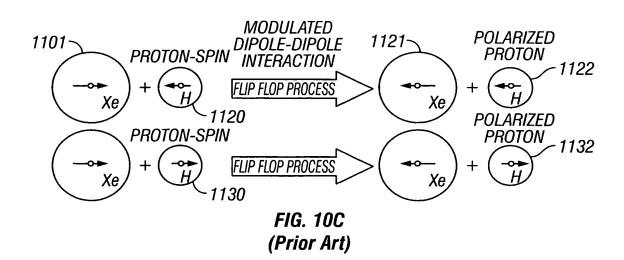


FIG. 10A (Prior Art)





Title: "Downhole High Resolution NMR Spectroscopy with Polarization Serial No.: 10/696,995; Filed: October 30, 2003; Confirmation No.: 7879 Docket No.: 414-35879-USCP

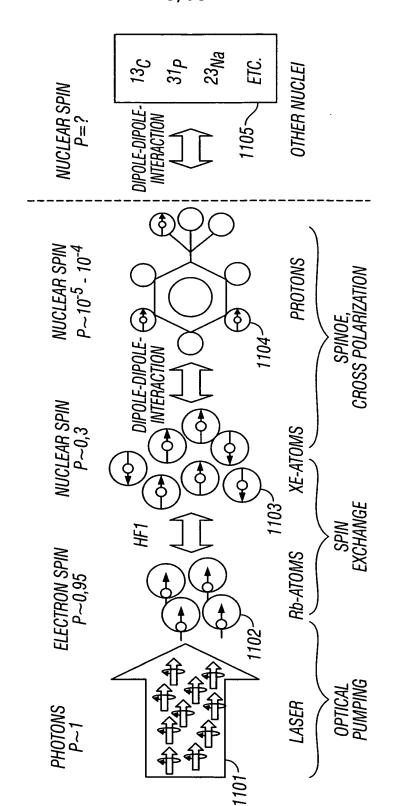


FIG. 11 (Prior Art)

Title: "Downhole High Resolution NMR Spectroscopy with Polarization Serial No.: 10/696,995; Filed: October 30, 2003; Confirmation No.: 7879 Docket No.: 414-35879-USCP

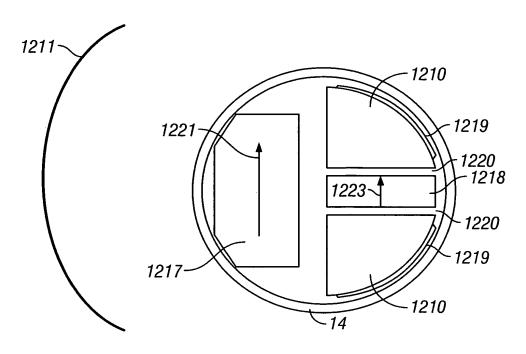


FIG. 12 (Prior Art)

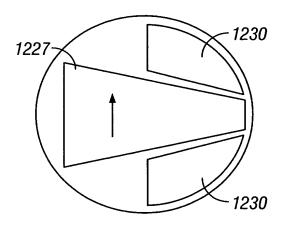


FIG. 12A (Prior Art)

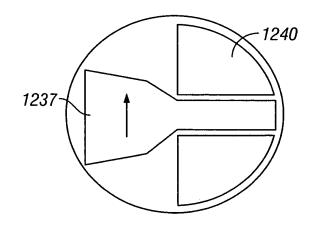


FIG. 12B (Prior Art)